

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 in accordance with the following:

1. (Currently Amended) An ink detecting device of an inkjet printer to detect an ink level and to detect when the ink level decreases below a predetermined level, comprising:
 - an ink tank comprising a predetermined amount of ink;
 - a supporting member disposed adjacent to an interior surface of the ink tank at a ~~predetermined position to detect an ink level and to detect when the ink level is decreased below a predetermined level~~;
 - a luminous member comprising a self-luminous material and supported by the supporting member, ~~wherein the luminous member is~~ being capable of emitting light without using a powered light source; and
 - a photo detector to detect a light emitted from the luminous member when the ink level in the ink tank is lower than the predetermined level.
2. (Original) The ink detecting device according to claim 1, further comprising:
 - a transparent window disposed at a corresponding position of the supporting member to pass the light from the luminous member,
 - wherein the photo detector detects the light passed through the transparent window.
3. (Original) The ink detecting device according to claim 1, wherein the luminous member is a luminous paper.

4. (Original) The ink detecting device according to claim 1, wherein the luminous member is a luminous paint.

5. (Original) The ink detecting device according to claim 1, wherein the supporting member is disposed at a sidewall of the ink tank.

6. (Original) The ink detecting device according to claim 1, wherein the supporting member is disposed at a bottom of the ink tank.

7. (Previously Presented) An inkjet printer comprising an ink level detecting device, the inkjet printer comprising:
a photo detector; and
an ink level detecting device detecting an amount of residual ink in the printer using the photo detector, and comprising a luminous member comprising a self-luminous material or a material with luminous paint to detect when a level of ink is lower than a predetermined level during a printing operation without a separate powered light source.

8. (Original) The ink detecting device according to claim 7, further comprising:
a controller controlling operations of the inkjet printer and outputting a signal indicative that the level of ink is lower than the predetermined level to an output device.

9. (Original) The ink detecting device according to claim 7, wherein the output device comprises a display.

10. (Original) The ink detecting device according to claim 7, wherein the ink level detecting device comprises
an ink tank comprising a liquid carrier and a toner used as a developer for the inkjet printer,
a supporting member disposed at a sidewall of the ink tank to detect when the ink is low,
a transparent window passing a light from the luminous member and disposed at a bottom of the ink tank, and
a photo detector detecting the light from the luminous member.

11. (Original) The ink detecting device according to claim 10, wherein when the ink tank is full, the ink level is over the transparent window and the light from the luminous member cannot pass through the transparent window, and the photo detector cannot detect any light.

12. (Original) The ink detecting device according to claim 10, wherein when the ink tank is not full, the ink level is under the transparent window and the light emitted from the luminous member passes through the transparent window.

13. (Original) The ink detecting device according to claim 7, wherein the ink level detecting device comprises
an ink tank comprising a liquid carrier and a toner used as a developer for the inkjet printer,
a supporting member disposed at the bottom of the ink tank to detect when the ink is low,
a transparent window passing a light from the luminous member and disposed at a sidewall of the ink tank, and
a photo detector detecting the light from the luminous member.

14. (Previously Presented) An ink detecting device of an inkjet printer, comprising:
a luminous member comprising a self-luminous material to detect when a level of ink is lower than a predetermined level during a printing operation, wherein the luminous member is capable of emitting light without using a powered light source.

15. (Original) The ink detecting device according to claim 14, wherein the luminous member is disposed at a predetermined position of an ink tank to detect whether the ink is lower than the predetermined level using a light emitted therefrom.

16. (Previously Presented) An ink detecting device of an inkjet printer, comprising:
a luminous member comprising a self-luminous material to detect a level of ink, wherein the luminous member is capable of emitting light without using a powered light source.